

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

<b>IN THE MATTER OF:</b>	)	
	)	
American Electric Power	)	<b>NOTICE OF VIOLATION</b>
Ohio Power Company	)	
Muskingum River Plant	)	<b>EPA-5-00-OH-3</b>
Beverly, Ohio	)	
	)	
	)	
Proceedings Pursuant to	)	
Section 113(a)(1) of the	)	
Clean Air Act, 42 U.S.C.	)	
§ 7413(a)(1)	)	

---

**NOTICE OF VIOLATION**

The Administrator of the United States Environmental Protection Agency (U.S. EPA) is issuing this Notice of Violation under Section 113(a)(1) of the Clean Air Act, 42 U.S.C. § 7413(a)(1). U.S. EPA finds that American Electric Power (AEP)/Ohio Power Company - Muskingum River Plant is violating the Ohio State Implementation Plan (SIP), as follows:

**Statutory and Regulatory Background**

1. On June 27, 1994, U.S. EPA approved visible emission limit - OAC 3745-17-07(A) as part of the federally enforceable SIP for Ohio. 59 Fed. Reg. 27464.
2. OAC 3745-17-07(A) establishes that visible particulate emissions from any stack shall not exceed twenty per cent opacity, as a six-minute average.
3. On April 15, 1974, U.S. EPA approved particulate matter standards for boilers - AP-3-11 as part of the federally enforceable SIP for Ohio. 39 Fed. Reg. 13539.
4. On June 27, 1994, U.S. EPA approved particulate matter standards for boilers - OAC rule 3745-17-10(C)(1) as part of the federally enforceable SIP for Ohio. 59 Fed. Reg. 27464.
5. AP-3-11 and OAC 3745-17-10(C)(1) establishes a particulate emission limit of 0.10 pounds per million British thermal units (lbs/mmBtu) for boilers that have a total heat input greater than 1,000 mmBtu/hr.

**AEP's Muskingum River Plant**

6. AEP/Ohio Power owns and operates five coal-fired boilers at its Muskingum River Plant located at County Road 32, Beverly, Ohio.
7. Units 1 and 2 are rated at 2,050 mmBtu/hr, Units 3 and 4 are rated at 2,150 mmBtu/hr, and Unit 5 is rated at 5,550 mmBtu/hr.
8. Emissions from AEP's five coal-fired boilers at its Muskingum River Plant are subject to the visible emission and particulate matter limits in the Ohio SIP at OAC 3745-17-07(A) and OAC 3745-17-10(C)(1), respectively.

**Violations**

9. On July 21, 1998, U.S. EPA documented violations of the applicable opacity limitation based on the following visible emission readings at the Unit 1 through 4 stack. U.S. EPA alleges that these violations are continuing until such time as AEP provides visible emission observations conducted in accordance with EPA Method 9 documentation demonstrating that this source has returned to continuous compliance.

Time	6-minute Average Opacity	Allowable Opacity Limit
5:02pm - 5:07pm	72%	20%
5:08pm - 5:13pm	67%	20%
5:14pm - 5:19pm	73%	20%
5:20pm - 5:26pm	76%	20%
5:27pm - 5:32pm	74%	20%

10. On July 22, 1998, U.S. EPA documented violations of the applicable opacity limitation based on the following visible emission observations conducted in accordance with EPA Method 9 at the Unit 1 through 4 stack. U.S. EPA alleges that these violations are continuing until such time as AEP provides visible emission observations conducted in accordance with EPA Method 9 demonstrating that this source has returned to continuous compliance.

Time	6-minute Average Opacity	Allowable Opacity Limit
4:48pm - 4:53pm	64%	20%
4:54pm - 4:59pm	66%	20%
5:00pm - 5:06pm	59%	20%
5:07pm - 5:12pm	65%	20%
5:13pm - 5:18pm	69%	20%

11. AEP/Ohio Power has conducted numerous stack tests on Units 1 through 4 at its Muskingum River Plant documenting violations of the applicable particulate matter limit. The following tables summarizes violations of the 0.10 lb/mmBtu particulate matter limit on Units 1 through 4.

**Unit 1 particulate matter violations:**

Date	Results (lb/mmBtu)	Allowable Limit (lb/mmBtu)
12/14/86	0.1264	0.10
6/20-21/88	0.1399	0.10
8/4-8/88	0.1501	0.10
2/12-16/96	0.102	0.10

**Unit 2 particulate matter violations:**

Date	Results (lb/mmBtu)	Allowable Limit (lb/mmBtu)
7/29-31/82	1.39	0.10
5/23/88	0.1685	0.10
6/20-21/88	0.1121	0.10
8/4-5/88	0.1501	0.10
8/14/88	0.1242	0.10
9/7/88	0.1033	0.10
9/28-10/1/88	0.1191	0.10
6/29/89	0.1216	0.10
2/12/96	0.102	0.10

**Unit 3 particulate matter violations:**


Date	Results (lb/mmBtu)	Allowable Limit (lb/mmBtu)
3/13/92	0.1363	0.10
5/26/93	0.1124	0.10

**Unit 4 particulate matter violations:**

Date	Results (lb/mmBtu)	Allowable Limit (lb/mmBtu)
3/12/92	0.1430	0.10
5/22/92	0.1430	0.10

12. U.S. EPA alleges that the above cited violations continue from the date of emissions testing documenting a violation of the particulate matter limit, until such time as subsequent testing demonstrates that the violating unit has returned to continuous compliance.

November 30, 1999  
Date

  
\_\_\_\_\_  
Margaret M. Guerriero  
Acting Director  
Air and Radiation Division

**CERTIFICATE OF MAILING**

I, Shanee Rucker, certify that I sent a Notice of Violation,  
No. EPA-5-99-OH-3, by Certified Mail, Return Receipt Requested,  
to:

Dan Kohler, Plant Manager  
American Electric Power/Ohio Power Company  
Muskingum River Plant  
P.O. Box 158  
Beverly, Ohio 45715

I also certify that I sent copies of the Notice of Violation  
by first class mail to:

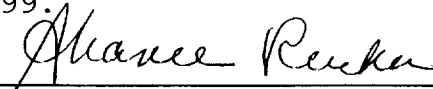
D. Michael Miller, Chief Counsel Power and Generation  
American Electric Power  
1 Riverside Plaza  
Columbus, Ohio 43215

Mark Gray, Manager of Env. Services Division  
American Electric Power  
1 Riverside Plaza  
Columbus, Ohio 43215

Robert Hodanbosi, Chief  
Division of Air Pollution Control  
Ohio Environmental Protection Agency  
P.O. Box 1049  
Columbus, Ohio 43216

Fred Klingelhafer, APC Supervisor  
Southeast District Office  
Ohio Environmental Protection Agency  
2195 Front Street  
Logan, Ohio 43138

on the 1 day of December, 1999.

  
Shanee Rucker, Secretary  
AECAS, (MI/WI)  
(312) 886-6086

CERTIFIED MAIL RECEIPT NUMBER: 2199 026 457